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CLAIMS

1. An attenuation device including a surface of revolution (11) comprising a set of slots (14) distributed over the surface of revolution (11), characterised in that the surface of revolution (11) is adapted to confine an elastic material (15) within the limits defined by the slots (14).

2. An attenuation device according to claim 1, wherein the surface of revolution (11) has a circular cross section.

3. An attenuation device according to claim 2, wherein the surface of revolution (11) is a straight cylinder.

4. An attenuation device according to claim 2, wherein the surface of revolution (11) is a cone frustum.

5. An attenuation device according to claims 3 or 4, wherein the set of slots (14) is distributed on both faces of the surface of revolution (11).

6. An attenuation device according to claim 5, wherein each slot (14) extends according to a given curve on one side of the surface of revolution (11).

7. An attenuation device according to claim 6, wherein each slot (14) extends according to an undulating curve.

8. An attenuation device according to claim 6 or 7, wherein at least one slot (14) is generated by a line passing through a fixed point or vertex and following the given curve.

9. An attenuation device according to claim 6 or 7, wherein at least one slot (14) is generated by a line moving parallel to itself and following the given curve.

10. An attenuation device according to claims 8 and 9, wherein at least two ends, each one of them corresponding to a slot (14) located on a face of the surface of revolution (11), are parallel.

11. An attenuation device according to claim 9, wherein at least two slots (14) are parallel, so that each one of them is located on one side of the surface of revolution (11).

12. An attenuation device according to claims 10 and 11, wherein at least two slots (14) are communicated through at least one section.

13. An attenuation device according to claim 10, wherein

the set of slots (14) defines on the surface of revolution (11) a spool formed by two cones joined at the vertex.

5 14. An attenuation device according to claims 11 and 12, wherein the set of slots (14) defines on the surface of revolution (11) an H-type shape.

 15. An attenuation device according to claim 1, wherein the elastic material (15) is an elastomer.

 16. An attenuation device according to claim 1, wherein the elastic material (15) is a viscoelastic material.

10 17. An attenuation device according to claim 15 or 16, wherein the elastic material (15) is adapted to comprise at least one band of elastic material (15).

 18. An attenuation device according to claim 17, wherein the elastic material (15) is adapted to comprise at least two
15 bands of elastic material (15).